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ABSTRACT

A rotary shelf assembly mechanism has shelves mounted on a vertical post arrangement formed by a first lower post and a second upper post. The mechanism is connected to a cabinet by upper and lower mounting brackets interacting with the top and bottom of the cabinet to support the posts and shelves carried thereby. The mechanism is mounted in the corner of the cabinet. To fit the mechanism within the cabinet, a height adjustment device is formed by positioning the second upper post in the upper end of the first lower post for slidable movement therebetween. When securement of the two joined posts and mounted shelves is desired, the slidably movable second upper post is extended upwardly until it engages the upper mounting bracket mounted on the cabinet. An elongated recess in the second upper post aligns with an opening in the first lower post, and a threaded member extends into a casting positioned within the upper post. The threaded member is tightened to engage the casting and secure the two posts in a shelf-retaining and rotational mode. The height adjustment device enables quick and efficient installation of the mechanism within the cabinet interior. The mechanism also includes a one piece shelf construction having a post-securing section and a shelf-retaining pin.

4 Claims, 10 Drawing Sheets

